Modems

MIU/PowerPort

LOW VOLTAGE, DC POWERED MODEMS

1.2, 2.4, 9.6 & 14.4 kbps

- Bell 202T, V.22bis, V.32bis
- Dial-Up and Leased Lines
- Powered from 5-24VDC through the Data Port or an External Jack
- Automatic "Power Down" when inactive
- -40°C to +85°C Operating Temp.
- Hayes AT Compatible
- Ideal for Meters, Relays, RTUs, Controllers, etc.

The MIU/PowerPort is an industrial grade modem that is designed to be powered directly through the RS232 (DB25) data interface port.

MIU/PowerPort can be powered by delivering +5VDC (regulated) through pin 10 of the DB25. An optional 7-16VDC version is also available. Alternatively, an external jack allows the MIU/PowerPort to be powered from a wall transformer or other low voltage AC or DC power source.

When not on line, the dial-up MIU/PowerPort modems automatically go into a power down mode and consume only a few microamps while inactive.

The MIU/PowerPort operates over dial and 2-wire/4-wire leased lines at full or half duplex as appropriate with various modulations, including:

- Bell 202T (1200bps)
- V.22bis (2400bps)
- V.32bis (14400bps)

The MUI/PowerPort is fully Hayes™ AT command set compatible with programmable S-registers.

All models will operate in temperatures from -40°C to +85°C and are surge protected on the analog line up to 5kV.

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Technical Specifications	MIU/PowerPort 202T	MIU/PowerPort 2.4	MIU/PowerPort 9.6 & 9.6L	MIU/PowerPort 14.4 & 14.4L
Modem Line Speeds: Asynchronous	0 - 1200bps	2400, 1200, 300bps	2400, 1200, 300bps	14400, 9600, 4800, 2400, 1200, 300bps
DTE Rates: above modem line speeds (ie; with data compression)	–	–	19200, 9600, 4800bps	57.6, 38.4, 19.2kbps
Standards:	Bell 202T	V.22bis, V.22 Bell 212A Bell 103	V.22bis, V.22 Bell 212A Bell 103	V.32bis, V.32 V.22bis, V.22 Bell 212A, Bell 103
Dial Up	No	Yes	Yes (Model 9.6)	Yes (Model 14.4)
2 / 4-W Leased Line	Yes[1]	No	Yes (Model 9.6L[2])	Yes (Model 14.4L[2])
Configuration	Dip Switch	Hayes™ Extended AT Command Set		
Error Correction/ Data Compression	None	None	MNP 2, 4, 5 & 10 V.42, V.42bis	
Power Requirement	+5VDC ±5% in through Pin 10 on the DB25 Data Port (Option: 7-16VDC in through Pin 10 on the DB25 Data Port. Please Specify -PO.) The modem can also be powered from an optional 120VAC wall transformer model WT/120-9VA.			
Current Consumption	128mA @ +5VDC 71mA @ 12VDC	64mA @ +5VDC 35mA @ 12VDC	100mA @ +5VDC 56mA @ 12VDC	219mA @ +5VDC 123mA @ 12VDC
	Dial up modems can be factory set to automatically fall into "Power Down" mode after 45 seconds of inactivity. Draws <0.2mA in power down mode. Powers back up on receipt of DTR signal or incoming call.			
Digital Port	RS232 with DB25 Female Connector			
Analog Port	RJ-11 Modular Jack			
Surge Protection (Analog Port)	3.75kVac	5kVac	5kVac	3.75kVac
Environment	-40°C to +85°C, 0 to 95% humidity (non-condensing)			
Case Size	5-3/8" x 4" x 1-3/8"			
Certifications	FCC Part 68 Class A; Industry Canada Certified			

Important Notes regarding leased line operation: [1]Bell202T is half or full duplex, suitable for point-to-point and multipoint applications. [2]The standard 9.6L and 14.4L models are 4-wire, full or half duplex, point-to-point only. 2-wire, full duplex, point-to-point available on special order.

Document #0004 0700

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